

**ABSTRACT**

**POWER FIBER LASER WITH MODE CONVERSION**

The invention relates to a pumped-fiber laser comprising essentially a doped fiber (1). The main feature of this laser is that the doped fiber (1) is multimode and in that it also includes a spatial mode conversion device (3) receiving the beam. This multimode fiber has a core with a diameter greater than 30 micrometers, or even greater than 50 micrometers.

**FIGURE 2**